
Automotive and Industrial Markets Welcoming Engine Oil Nanoadditives

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HELLA, a German automotive part supplier which uses XG Science's graphene nanoplatelets in its products, has announced that its graphene-containing engine oil additive product has been marketed and widely welcomed by customers, in so far as its first 25,000 units sold out within 100 days in Korea. The company has expanded the distribution of this product to the Chinese and Japanese markets, and is still seeking to expand its market further. Those graphene platelets have also shown the potential to be used in other lubricant-related products.

[XG Sciences, Inc.](#), a market leader in the design and manufacture of graphene nanoplatelets and advanced materials containing graphene nanoplatelets, announced today commercial adoption of its products for use in engine oil. [HELLA](#), an innovative family-owned company serving the automotive and industrial markets with revenue of €7 Billion in the fiscal year 2018/2019, completed a successful launch of a new line of engine oil additives incorporating XG Sciences' graphene nanoplatelets to improve performance.

The engine oil additive product was marketed in Korea where the first 25,000 units sold out within 100 days. Based on this success, HELLA extended distribution to [China](#) and [Japan](#) and may extend use of graphene nanoplatelets to other lubrication-related products. HELLA's graphene-enhanced lubricant is specially formulated to reduce wear and friction in internal combustion engines delivering a range of benefits including extended engine life, reduced engine vibration, improved power output, 50% reduction in engine wear, improved fuel economy and enhanced ride comfort.

First isolated and characterized in 2004, graphene is a single layer of carbon atoms. Among many noted properties, monolayer graphene is harder than diamonds, lighter than steel but significantly stronger, and conducts electricity better than copper. Graphene nanoplatelets are particles consisting of multiple layers of graphene with unique capabilities for energy storage, thermal conductivity, electrical conductivity, barrier properties, lubricity and the ability to impart physical property improvements when incorporated into plastics, metals or

other matrices.

"XG Sciences is excited to accelerate the performance of HELLA's engine oil additive through use of our graphene nanoplatelets. HELLA's adoption provides another example of the potential for this revolutionary material and further demonstrates the power of our graphene nanoplatelets," said Bamidele Ali, Chief Commercial Officer, XG Sciences.

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